

Name/s: _____ Section: _____ Date: _____

REMEMBER: SAME SIGNS → POSITIVE • DIFFERENT SIGNS → NEGATIVE

PART A — SIGN DETECTIVE

Choose SAME if the signs are alike. Choose DIFFERENT if the signs are not alike.

#	Expression	SAME / DIFFERENT
1	$(+3) \times (+2)$	☐ SAME ☐ DIFFERENT
2	$(-4) \times (+2)$	☐ SAME ☐ DIFFERENT
3	$(-8) \div (-2)$	☐ SAME ☐ DIFFERENT
4	$(+12) \div (-3)$	☐ SAME ☐ DIFFERENT

PART B — PREDICT THE SIGN

Choose the correct sign of the answer.

#	Expression	Sign of the Answer
1	$(+5) \times (+2)$	☐ POSITIVE ☐ NEGATIVE
2	$(-6) \times (+3)$	☐ POSITIVE ☐ NEGATIVE
3	$(-12) \div (-4)$	☐ POSITIVE ☐ NEGATIVE
4	$(+15) \div (-3)$	☐ POSITIVE ☐ NEGATIVE

PART C — MATCH IT!

Match each expression with its correct answer.

EXPRESSIONS	ANSWERS
1. $2 \times (+3)$	A. -6
2. $(-2) \times 2$	B. +6
3. $(-8) \div (-2)$	C. -4

PART D — SOLVE IT!

Identify the signs, determine the sign, multiply or divide, then write the answer.

#	Expression	Final Answer
1	$(+3) \times (+2)$	_____
2	$(-4) \times (+2)$	_____
3	$(-6) \div (-2)$	_____
4	$(+8) \div (-2)$	_____

-16

-8

6

12

PART E — EXPLAIN!

Choose the best answer.

1. Why is $(-3) \times (+2)$ negative?

- ☐ A. The signs are the same.
- ☐ B. The signs are different.
- ☐ C. Both numbers are even.

2. Why is $(-6) \div (-2)$ positive?

- ☐ A. The signs are the same.
- ☐ B. The signs are different.
- ☐ C. Both numbers are positive.

★ Work together • Check your signs • Explain your thinking! ★